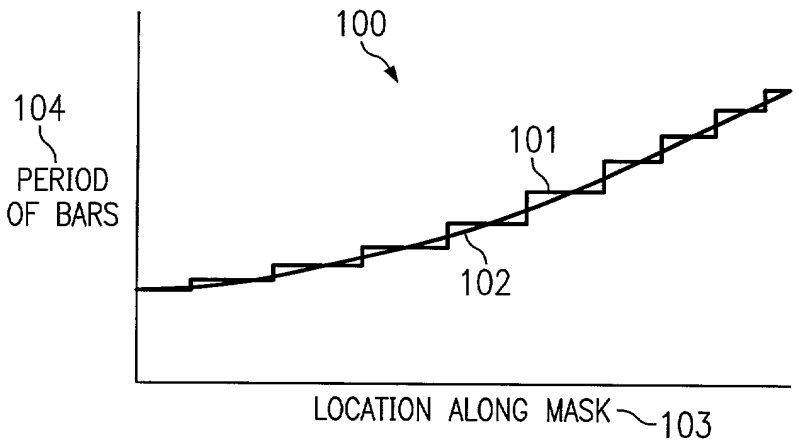


FIG. 1

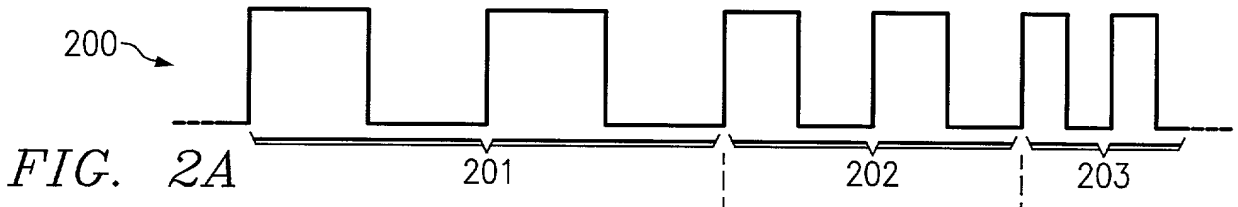


FIG. 2A

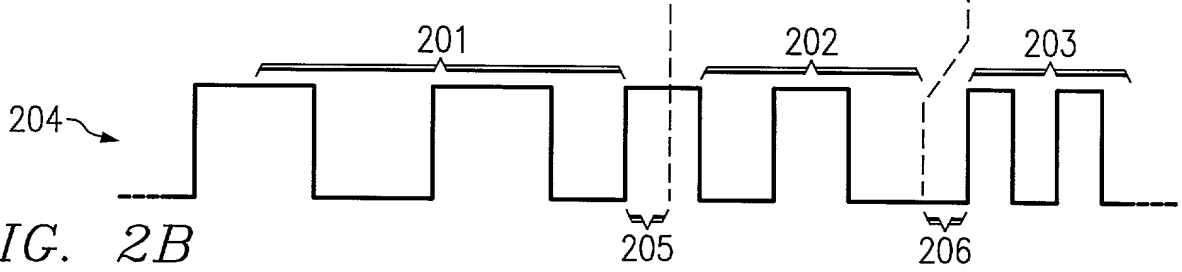


FIG. 2B

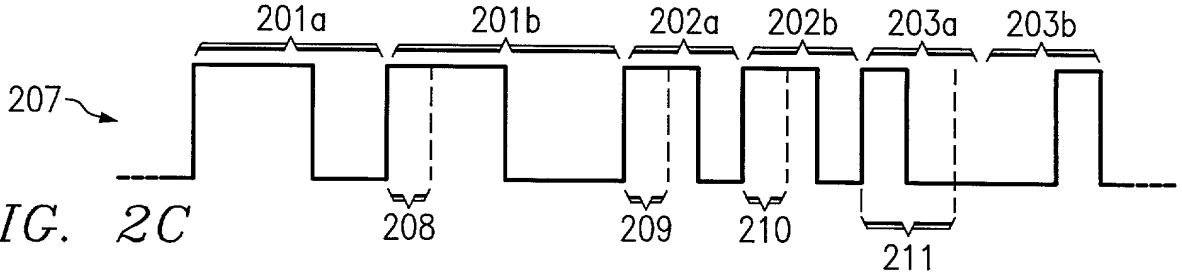


FIG. 2C

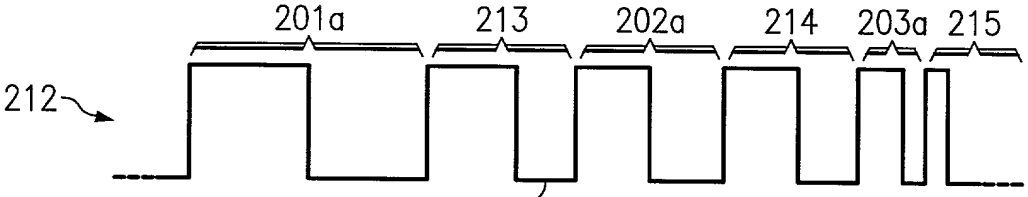


FIG. 2D

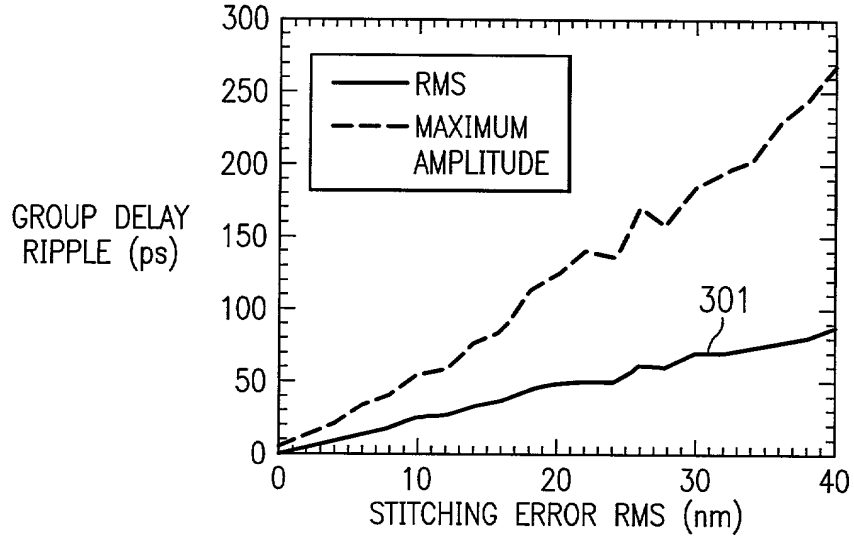


FIG. 3A

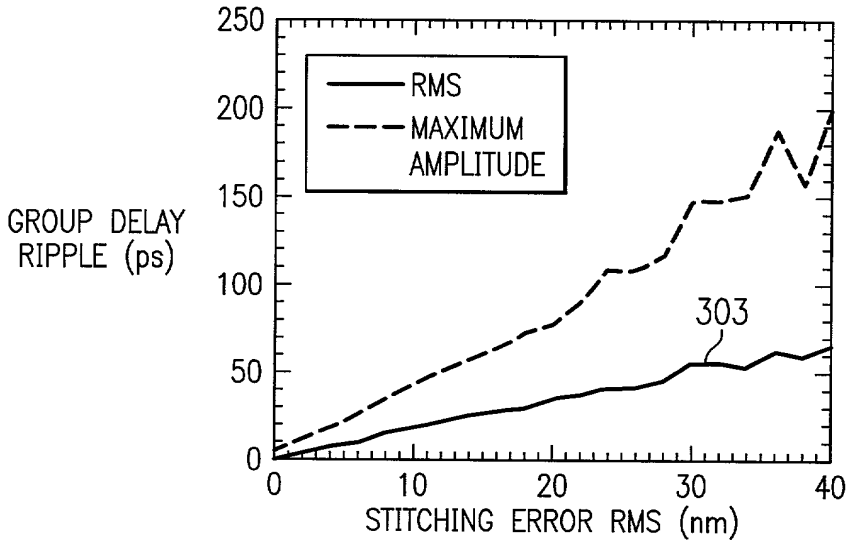


FIG. 3B

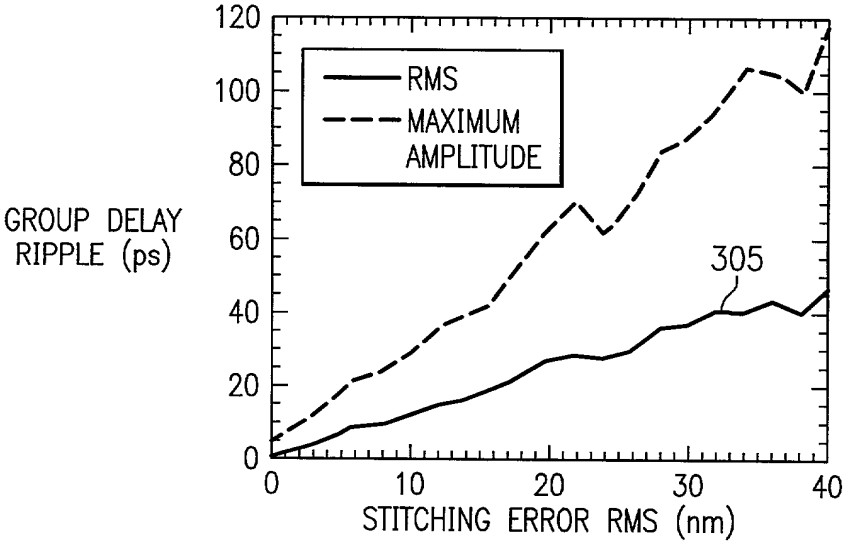


FIG. 3C

09576462.060104

FIG. 3D

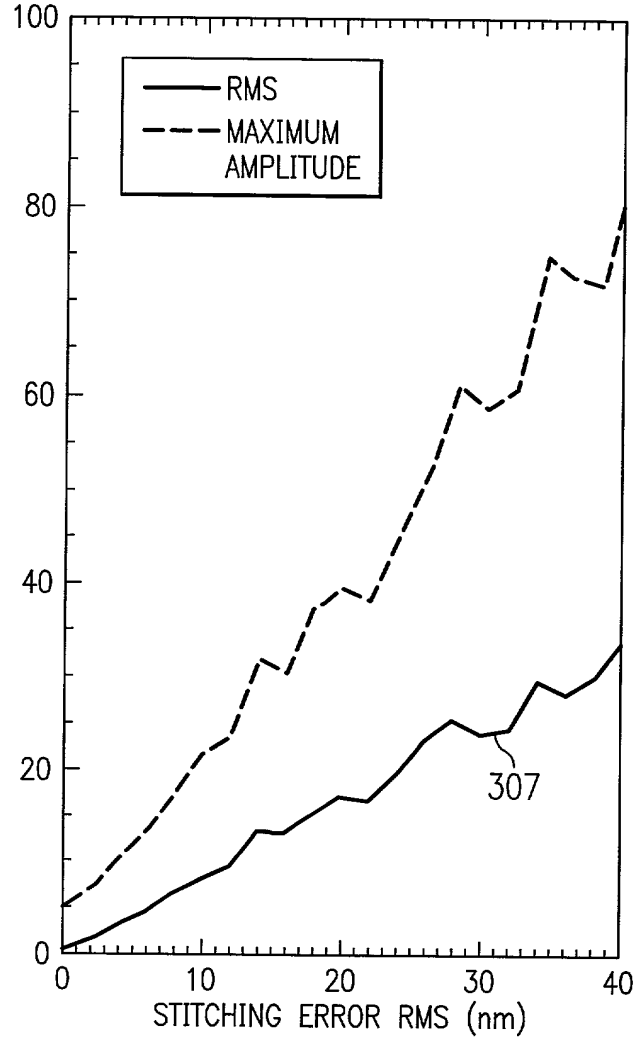
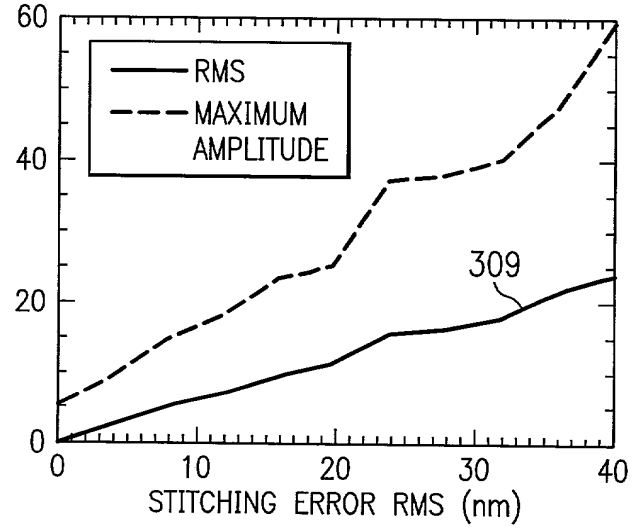

100
80
60
40
20
0
RMS
MAXIMUM AMPLITUDE
306
307
GROUP DELAY RIPPLE (ps)
0
10
20
30
40
STITCHING ERROR RMS (nm)

FIG. 3E


60
40
20
0
RMS
MAXIMUM AMPLITUDE
308
309
GROUP DELAY RIPPLE (ps)
0
10
20
30
40
STITCHING ERROR RMS (nm)

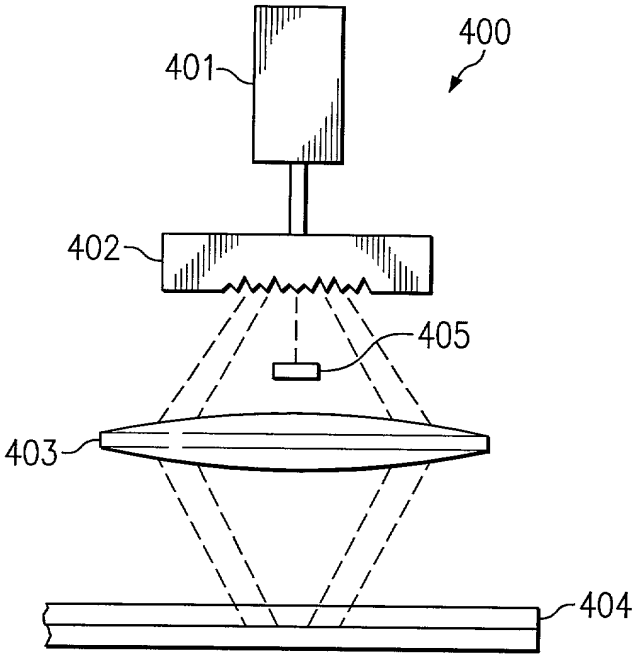


FIG. 4A

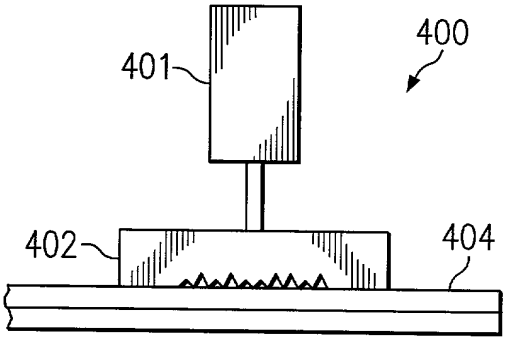


FIG. 4B

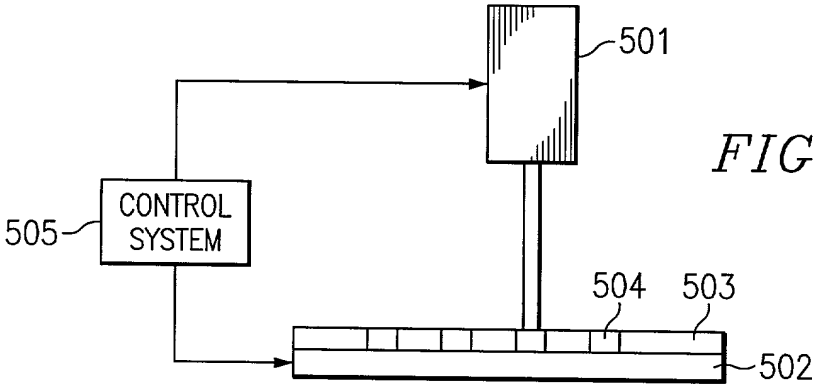


FIG. 5

FIG. 6

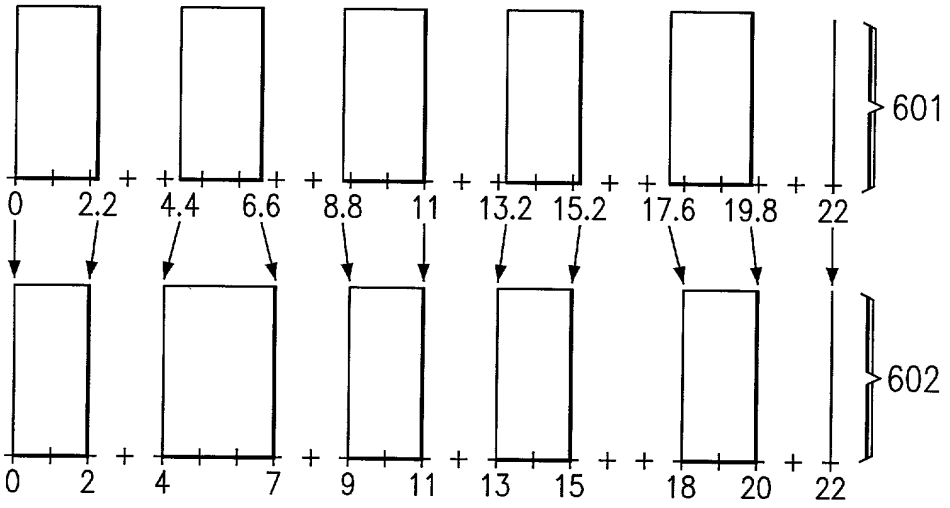
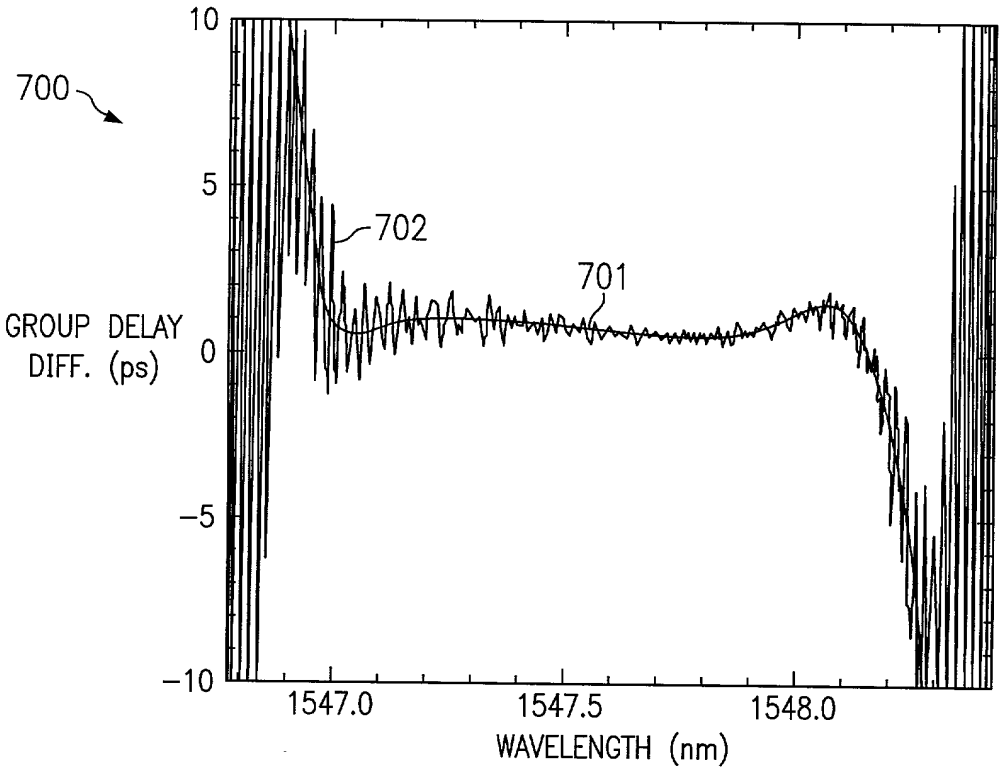

601
602
0
2.2
4.4
6.6
8.8
11
13.2
15.2
17.6
19.8
22
0
2
4
7
9
11
13
15
18
20
22

FIG. 7


700
10
5
0
−5
−10
GROUP DELAY
DIFF. (ps)
702
701
1547.0
1547.5
1548.0
WAVELENGTH (nm)

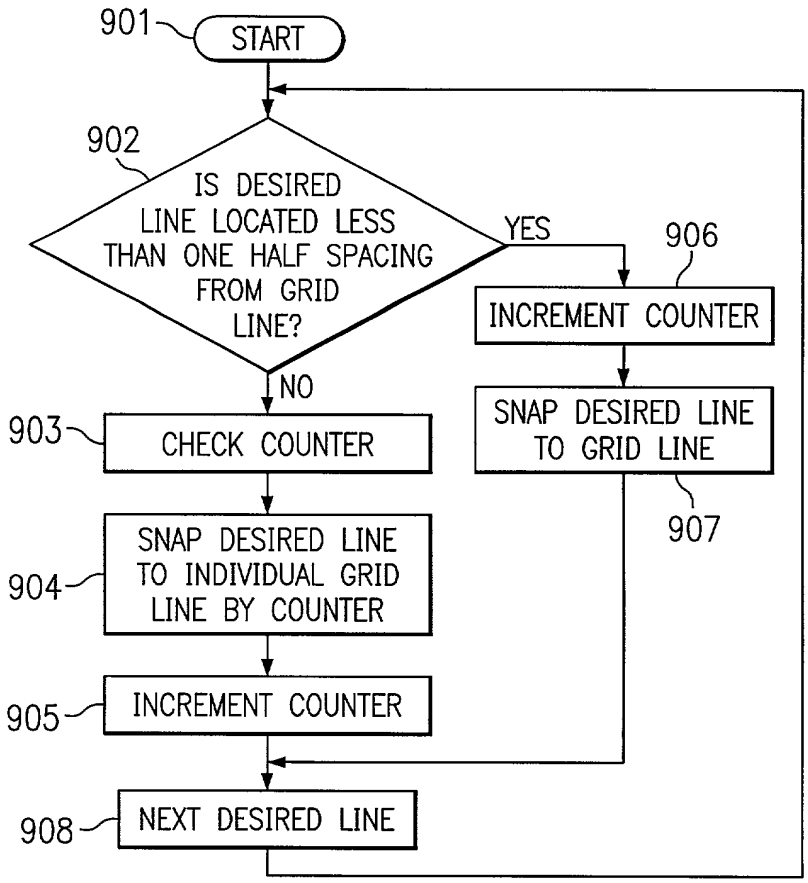

901
START
902
IS DESIRED LINE LOCATED LESS THAN ONE HALF SPACING FROM GRID LINE?
YES
906
INCREMENT COUNTER
SNAP DESIRED LINE TO GRID LINE
907
NO
903
CHECK COUNTER
904
SNAP DESIRED LINE TO INDIVIDUAL GRID LINE BY COUNTER
905
INCREMENT COUNTER
908
NEXT DESIRED LINE

FIG. 8